

PUMP RECOMMENDATIONS FOR APPLICATIONS

WHICH ROLLER PUMP, ROLLERS AND SEALS SHOULD YOU USE?

Material options for rollers and seals are listed in the order of recommendations for usage.

These recommendations are only a general guide. For suggestions on specific chemicals or applications, call Pentair's Technical/Applications Department at (800) 445-8360.

Application	Specific Chemicals	Suggestions							
		Housing Materials			Roller Materials			Seal Materials	
		Silver Series XL	Ni-Resist	Cast Iron	Super Roller	Poly Rollers	Teflon® Rollers*	Viton®	Buna-N
WEED CONTROL CHEMICALS	Emulsions, soluble powders, sodium arsenate.	X	X	X	X			X	
	Chemicals containing glyphosate (such as Roundup®) or other acidics	X			X	X	X*	X	
INSECT CONTROL	Emulsions not containing aromatic solvents.	X	X	X	X			X	
BRUSH CONTROL	Heavy-duty sprays using diesel oil for carrier.	X	X	X	X			X	
PEST CONTROL CHEMICALS, FUMIGANTS, ETC.	This category or use includes mosquito sprays, termite control liquids, nematocides, soil and grain fumigants where any of the following chemicals with aromatic solvents are present: Pentachlorophenol, xylene, xylol, benzene, high sulphur fuel or diesel oil. Fumigants containing: ethylene dichloride, ethylene dibromide, carbon tetrachloride, perchlorethylene, trichlorethylene, methyl bromide, and other aromatic solvents.	X	X	X	X			X	
LIQUID FERTILIZERS	Up to 32% nitrogen content, or others if the liquid is atmospheric pressure and the temperature is handled.	X	X			X			X
POWDERED FERTILIZERS	Fertilizers dissolved in water (greenhouse plant food).	X	X	X	X	X		X	X
PUMPING	Large quantities of plain water.	X	X	X	X	X		X	X
SPRAYING	Wettable powder sprays.	X	X	X	X	X		X	X
MATERIAL HANDLING	Heavy abrasive powders in suspension.	X	X	X	X	X		X	X
ACIDS	Mild sulfuric acid for spraying. Mild muriatic acid, inhibited muriatic, etc.	X				X	X*	X	

*Note: Limit Pressure at 100 psi (6.9 bar) when using Teflon® Rollers.